



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 04/14/92

TO:

ARMSTRONG, NIKAIDO, MARMELSTEIN ET AL
CHARLES M. MARMELSTEIN

SUITE 100-1725 K STREET, N.W.
WASHINGTON, D.C. 20006



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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GROUP 2100

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS, ON THIS NOTICE, PLEASE SEND A REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

KONNO, JUN-ICHI

DOC DATE: 07/26/91

ASSIGNOR:

SHINAGAWA, KEISUKE

DOC DATE: 07/26/91

ASSIGNOR:

ISHIDA, TOSHIYUKI

DOC DATE: 07/26/91

ASSIGNOR:

ITO, TAKAHIRO

DOC DATE: 07/26/91

ASSIGNOR:

KONDO, TETSUO

DOC DATE: 07/26/91

ASSIGNOR:

HARADA, FUKASHI

DOC DATE: 07/26/91

ASSIGNOR:

FUJIMURA, SHUZO

DOC DATE: 07/26/91

RECORDATION DATE: 08/21/91 NUMBER OF PAGES 003 REEL/FRAME 6028/0619

DIGEST :ASSIGNMENT OF ASSIGNORS INTEREST

6028/0619 PAGE 0002

ASSIGNEE:

FUJITSU LIMITED
1015, KAMIKODANAKA, NAKAHARA-KU
KAWASAKI-SHI, KANAGAWA, 211 JAPAN

SERIAL NUMBER	7-743383	FILING DATE	08/21/91
PATENT NUMBER		ISSUE DATE	00/00/00



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GROUP 2100

19 Rec'd PCT/PTO

17/74338

21 AUG 1991

A/D

Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 911333	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)				DATE: August 21, 1991	
INTERNATIONAL APPLICATION NO. PCT/JP91/00861		INTERNATIONAL FILING DATE June 26, 1991		PRIORITY DATE CLAIMED June 27, 1990	
TITLE OF INVENTION METHOD FOR PRODUCING SEMICONDUCTOR INTEGRATED CIRCUITS AND APPARATUS USED IN SUCH METHOD					
APPLICANT(S) FOR DO/EO/US Junichi KONNO; Keisuke SHINAGAWA; Toshiyuki ISHIDA; Takahiro ITO; Tetsuo KONDO; Fukashi HARADA and Shuzo FUJIMURA					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items under 35 U.S.C. 371: 1. [xx] This express request to immediately begin national examination procedures (35 U.S.C. 371(f)). 2. [xx] The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows:					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS	22 -20=	2	x\$ 12.00	\$ 24.00
	INDEPENDENT CLAIMS	4 -3=	1	x\$ 36.00	36.00
	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+\$120.00	
	BASIC NATIONAL FEE (37 CFR 1.492(A)(1)-(4)):				
	[] International preliminary examination fee paid to USPTO (37 CFR 1.482)\$330				
	[] No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445 (a)(2))\$370				
	[X] Neither international preliminary examination fee (37 CFR 1.482 nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$500				500.00
	[] International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2) to (4).....\$ 50				
	Surcharge of \$120. for furnishing the National fee or oath or declaration later than [] 20 [] 30 mos. from the earliest claimed priority date (37 CFR 1.482(3)).				
	TOTAL OF ABOVE CALCULATIONS			=	560.00
	Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (Note 37 CFR 1.9, 1.27, 1.28)				
	SUBTOTAL			=	560.00
	Processing fee of \$30. for furnishing the English Translation later than [] 20 [] 30 mos. from the earliest claimed priority date (37 CFR 1.482(f)).				
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	Fee for recording the enclosed assignment (37 CFR 1.21(h)).				+ 8.00
	TOTAL FEES ENCLOSED			\$	568.00
a. [] A check in the amount of \$ _____ to cover the above fees is enclosed. b. [xx] Please charge my Deposit Account No. <u>01-2395</u> in the amount of \$ <u>568.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. [xx] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>01-2395</u> . A duplicate copy of this sheet is enclosed.					

REF 6028 IN 619

39374 08/29/91 0774338.3

01-2395 030 516

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m4005
9/8

DATE: August 21, 1991

Attorney's Docket Number
911333

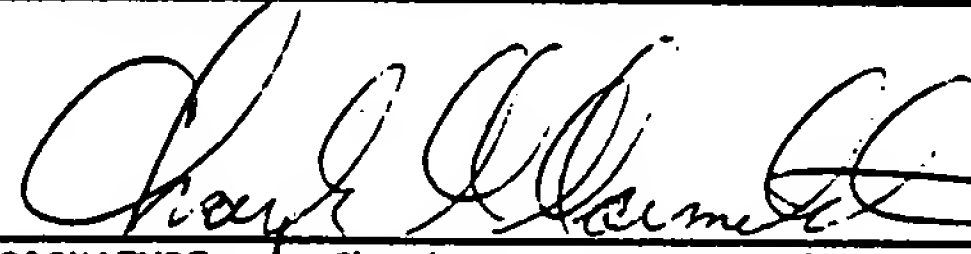
3. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
 - c. ☐ has been transmitted by the International Bureau.
 4. ☒ A verified translation of the International Application into English (35 U.S.C. 371 (c)(2)).
 5. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
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 - b. ☐ have been transmitted by the International Bureau.
 6. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
 7. ☒ An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).
 8. ☐ A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36(35 U.S.C. 371(c)(5)).
- Other document(s) or information included:
9. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98; PTO-FB-A820; Ref.
 10. ☒ An assignment document for recording.
Please mail the recorded assignment document to:
 - a. ☒ the person whose signature, name & address appears at the bottom of this page.
 11. The above checked items are being transmitted
 - a. ☒ before the 18th month publication.
 - b. ☐ after publication and the Article 20 communication but before 20 months from the priority date.
 - c. ☐ after 20 months but before 22 months (surcharge and/or processing fee included).
 - d. ☐ after 22 months (surcharge and/or processing fee included).
Note: Petition to revive (37 CFR 1.137(a) or (b) is necessary if 35 U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.
 - e. ☐ by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
 - f. ☐ after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included).
 - g. ☐ after 32 months (surcharge and/or processing fee included).
Note: Petition to revive (37 CFR 1.137(a) or (b) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.
 12. At the time of transmittal, the time limit for amending claims under Article 19
 - a. ☐ has expired and no amendments were made.
 - b. ☐ has not yet expired.
 13. ☐ Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on _____, namely:
_____ date
 14. 7 sheets Drawings - 6 sheets of drawings; 1 sheet of reference numerals
 15. ☐ International Search Report

ARMSTRONG, NIKAI DO, MARMELSTEIN, KUBOVCIK & MURRAY
NAME

Suite 1000 - 1725 K Street, N.W.
ADDRESS

Washington, D.C. 20006

Telephone No. (202) 659-2930


SIGNATURE

Charles M. Marmelstein

25,895

REGISTRATION NUMBER

REEL 6028 FRAME 620

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert
ASSIGNEE'S
Name(s) &
Address(es))

FUJITSU LIMITED, 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa, 211

Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

METHOD FOR PRODUCING SEMICONDUCTOR INTEGRATED CIRCUITS AND APPARATUS USED
IN SUCH METHOD

for which application for Letters Patent of the United States was

(Check
One Box)

☒ executed on even date herewith,

☐ filed on _____, Serial No. _____

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agree(s) to execute all papers necessary in connection with any interference or litigation which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) afixed his/her/their signature(s).

(Signatures)

<u>Junichi Konno</u> (SIGNATURE)	<u>Jun-ichi Konno</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Keisuke Shinagawa</u> (SIGNATURE)	<u>Keisuke Shinagawa</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Toshiyuki Ishida</u> (SIGNATURE)	<u>Toshiyuki Ishida</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Tetsuo Kondo</u> (SIGNATURE)	<u>Tetsuo Kondo</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Takahiro Ito</u> (SIGNATURE)	<u>Takahiro Ito</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Fukashi Harada</u> (SIGNATURE)	<u>Fukashi Harada</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
<u>Shuzo Fujimura</u> (SIGNATURE)	<u>Shuzo Fujimura</u> (TYPE NAME)	<u>July 26, 1991</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

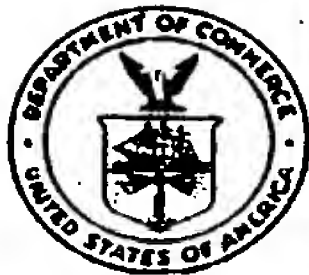
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REEL 6028 FRAME 21

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FILING RECEIPT



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Patent and Trademark Office
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OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
07/743,383	08/21/91	1304	\$ 560.00	911333	7	22	4

ARMSTRONG, NIKAIDO, MARMELSTEIN,
KUBOVCIK & MURRAY
1725 K ST. N.W., STE. 1000
WASHINGTON, DC 20006

Receipt is acknowledged of the patent application identified herein. It will be considered in its order and you will be notified as to the examination thereof. Be sure to give the U.S. SERIAL NUMBER, DATE OF FILING, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this transmittal.

Applicant(s)

JUN-ICHI KONNO, MIE, JAPAN; KEISUKE SHINAGAWA, KANAGAWA, JAPAN; TOSHIYUKI ISHIDA, KANAGAWA, JAPAN; TAKAHIRO ITO, KANAGAWA, JAPAN; TESTSUO KONDO, KANAGAWA, JAPAN; FUKASHI HARADA, MIE, JAPAN; SHUZO FUJIMURA, TOKYO, JAPAN.

FOREIGN/PCT APPLICATIONS-PCT
JAPAN

PCT/JP91/00861 06/26/91
2-171791 06/27/90

TITLE
METHOD FOR PRODUCING SEMICONDUCTOR INTEGRATED CIRCUITS AND APPARATUS
USED IN SUCH METHOD

PRELIMINARY CLASS: 156



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

411333

DATE: 04/14/92

TO:

ARMSTRONG, NIKAIDO, MARMELSTEIN ET AL
CHARLES M. MARMELSTEIN
SUITE 100-1725 K STREET, N.W.
WASHINGTON, D.C. 20006

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ASSIGNOR:
KONNO, JUN-ICHI

DOC DATE: 07/26/91

ASSIGNOR:
SHINAGAWA, KEISUKE

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ISHIDA, TOSHIYUKI

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ITO, TAKAHIRO

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KONDO, TETSUO

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ASSIGNOR:
HARADA, FUKASHI

DOC DATE: 07/26/91

ASSIGNOR:
FUJIMURA, SHUZO

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6028/0619 PAGE 0002

ASSIGNEE:

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SERIAL NUMBER	7-743383	FILING DATE	08/21/91
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REEL 6028 FRAME 619

08/29/91 07743383

01-2395 030 518

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Attorney's Docket Number
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Washington, D.C. 20006

Telephone No. (202) 659-2930

SIGNATURE

Charles M. Marmelstein

25,895

REGISTRATION NUMBER

REEL 6028 FRAME 620